Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/26/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125976	0	1.87	126042	1.84
Blue	F	SSC	125000	123909	-1	3.51	124710	3.40
Blue	E	FITC	15492	15012	-4	3.65	350	21.82
Blue	D	PE	28736	28250	-2	2.87	623	16.59
Blue	B	PerCP-Cy5-5	41413	40908	-2	4.48	1118	22.70
Blue	A	PE-Cy7	31321	31287	-1	7.14	570	48.11
Red	C	APC	41673	41032	-2	2.88	1586	13.23
Red	A	APC-Cy7	29962	29325	-3	2.78	732	13.88
Violet	B	V450	8318	7845	-6	4.51	434	14.49
Violet	A	V500	34199	33331	-3	4.25	801	11.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20539	3.88	609	-4	N/A	N/A	Pass
Blue	F	SSC	55958	2.87	575	7	N/A	N/A	Pass
Blue	E	FITC	59	76.03	557	-4	0.0167	250	Pass
Blue	D	PE	124	57.86	557	-3	0.1244	275	Pass
Blue	B	PerCP-Cy5-5	207	56.27	664	-3	0.0076	83	Pass
Blue	A	PE-Cy7	109	121.49	720	-2	0.0088	25	Pass
Red	C	APC	364	28.95	600	-1	0.0200	195	Pass
Red	A	APC-Cy7	182	31.34	575	-1	0.0048	1124	Pass
Violet	B	V450	65	71.66	477	0	0.0508	2959	Pass
Violet	A	V500	113	41.34	496	2	0.0194	1281	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-31.93	1.09
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.98	13.60 - 20.40	N/A	N/A	29.29	29.58	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11566

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments